Data Replication Architecture
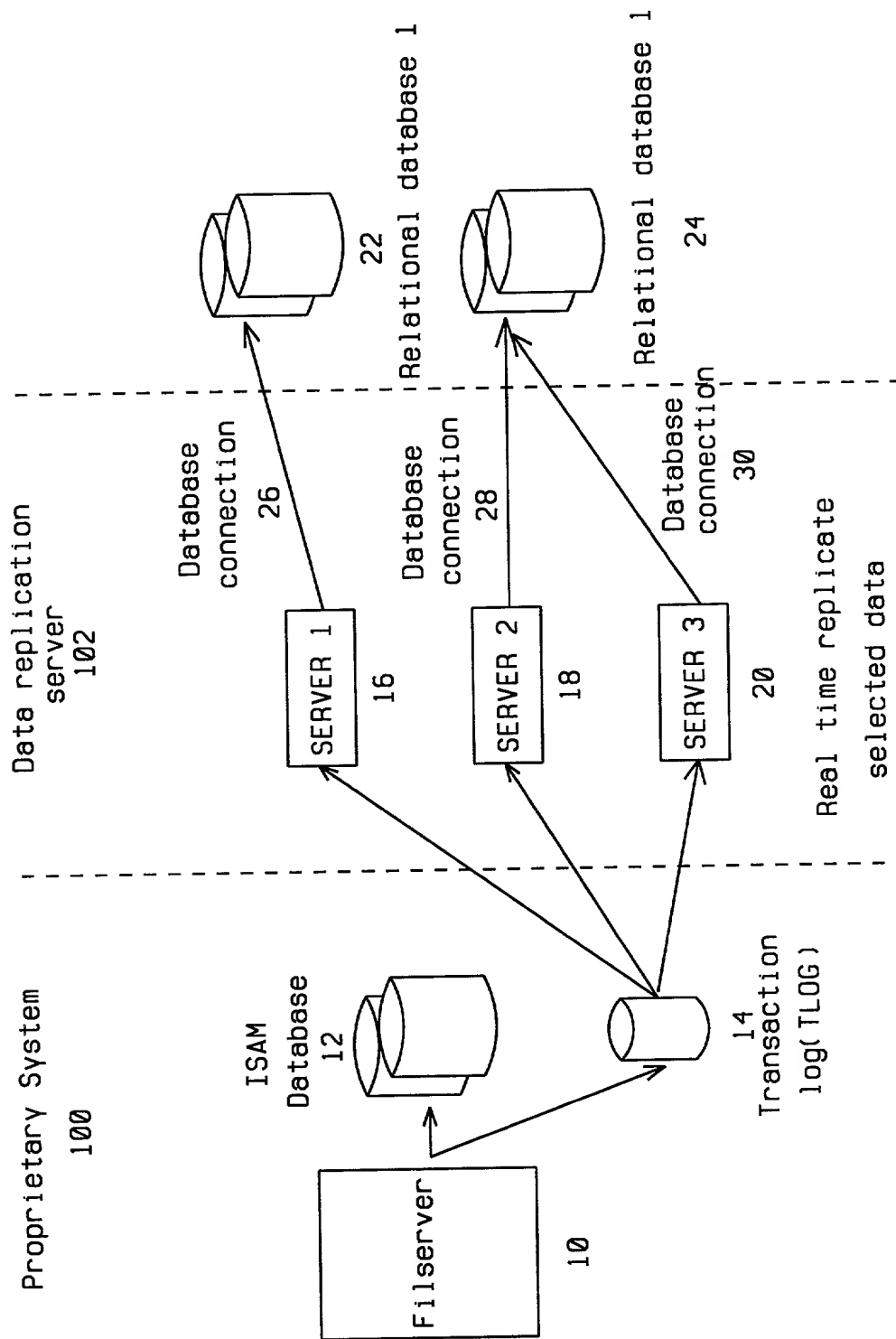

FIG. 1

Transaction Log File

Record #	Process ID	Flgs	File	Operation etc
36319304	00000000		Marker	
36319305	20C62255	M	Beg Mul Upd	
36319306	20C62255	JM	FUTA	Delete	FUTAKEY='TLK14831.1'
36319307	20C62255	JM	ACTL	Journal	LOTID='K14831.1'
36319308	20C62255	JM	ACTL	Update	LOTID='K14831.1'
36319309	20C62255	JM	ACTL	Journal	LOTID='K14831.1'
36319310	20C62255	JM	ACTL	Update	LOTID='K14831.1'
36319311	20C62255		End Mul Upd	
36319312	20C62255		ACTL	Update	LOTID='K14721.1'
36319313	20C61A54	M	Beg Mul Upd	
36319314	20C61A54	JM	FUTA	Delete	FUTAKEY='TLK14810.1'
36319315	20C61A54	JM	ACTL	Journal	LOTID='K14810.1'
36319316	20C61A54	JM	ACTL	Update	LOTID='K14810.1'
36319317	20C61A54	JM	ACTL	Journal	LOTID='K14810.1'
36319318	20C61A54	JM	ACTL	Update	LOTID='K14810.1'
36319319	20C61A54		End Mul Upd	
36319320	20C62255	M	Beg Mul Upd	
36319321	20C62255	JM	EQPS	Putree	EQPSKEY='ACOX01-AR...'
36319322	20C62255	JM	EQPS	Journal	EQPSKEY='ACOX01-AC...'

FIG. 2

200 Extraction Functions	300 Work File Maintenance	400 Join Functions	500 External Interfaces	600 Special Reports
1) General File Extraction	6) Directory	17) Join Work Files	19) Custom Feed	30) Optonal Step I..
2) Active Lot Extraction	7) Display Work File	18) Approximate Join	20) DataTrieve Feed	31) Selective Lot I..
3) History Lot Extraction	8) Print Work File		21) DIF File Conversion	
4) Engineering Extraction	9) Sort Work File		22) Enhansys Feed	
5) Linked File Extraction	10) Merge Work File		23) Oracle Feed	
	11) Remove Duplicate		24) Rdb/PROMIS Feed	
	12) Delete Work File		25) RSI Feed	
	13) Externalize Work File		26) SAS Feed	
	14) Internalize Work File		27) Superscript	
	15) Create Descriptor		29) DAN Data Analysis	
	16) Edit Descriptor			

FIG. 3

1 Non-Available Equipment Report

2 Current Equipment Status Report

3 Equipment Status Classification Report

4 LogSheet Real Time Report

5 Current Rework Wip Report

6 Super Hot/Hot Lot Report

7 DIF-PE Hold Lot Report

8 OOC OOS LOT Report

9 Pilot Lot Report

10 Engineer Lot Report

11 Hold Lot Report

12 Running Lot Report

13 Bank Lot Report

14 Bank IN/OUT Report

15 Hold/Release Lot Review Report

16 FAB WIP Schedule Report

17 Ad Hoc Lot Move History Report

18 Slow Moving Lot eport

19 RD Slow Moving Lot Report

20 Part Information Report

21 PM Related Report (Confirm & in Process)

22 PM Related Report (Overdue PM)

23 PM Related Report (Next 2 Day PM)

24 PM Related Report (All Schedule PM)

25 PM Related Report (All Schedule by LOC)

26 MFG Capability Move Wip Report

27 MFG Focus PARTS LIST Report

FIG. 4